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Claim Listing

Claims 1-81. (Canceled)

82. (New) A gas humidification apparatus comprising:
an inlet;
a humidification device in fluid communication with said inlet, said humidification device comprising:
a heater housing comprising a heater and a plurality of openings;
a first humidification material that surrounds said heater, readily absorbs moisture and readily releases moisture when exposed to a dry environment, wherein said humidification device further comprises a second humidification material that is spaced from said first humidification material and readily absorbs moisture and readily releases moisture when exposed to a dry environment; and
an outlet in fluid communication with said humidification device.
83. (New) A gas apparatus comprising:
an inlet;
a heater in fluid communication with said inlet;
a temperature sensor for measuring a temperature of a gas that flows within said gas apparatus in an indirect manner; and
a humidification material that readily absorbs moisture and readily releases moisture when exposed to a dry environment, wherein said humidification material has a configuration that generates turbulence in said gas as it passes over a surface of said humidification material.
84. (New) The gas humidification device of Claim 83:
wherein the gas humidification device receives gas from a laparoscopic insufflator.

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85. (New) A gas humidification apparatus comprising:
inlet means for supplying a gas;
a temperature sensor for measuring a temperature of said gas in an indirect manner;
turbulence means for generating turbulence in said gas;
outlet means for expelling said turbulent gas from said humidification apparatus; and
a humidification material that is a unitary structure and is the sole humidification material
of said gas humidification apparatus.
86. (New) A gas apparatus comprising:
an inlet;
a heater in fluid communication with said inlet;
a temperature sensor for measuring a temperature of a non-ambient gas that flows within
said gas apparatus in an indirect manner;
a humidification material that readily absorbs moisture and readily releases moisture
when exposed to a dry environment, wherein said humidification material is a unitary structure
and is the sole humidification material of said gas apparatus;
a second inlet that transfers a fluid to said humidification material; and
wherein said inlet transfers said gas to said humidification material.